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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER LO38-001 107588566
INTERNATIONAL APPLICATION NO. PCT/EP2005/001190	INTERNATIONAL FILING DATE February 5, 2005	PRIORITY DATE CLAIMED February 23, 2004
TITLE OF INVENTION Method and Apparatus for Increasing the Fatigue Life, In Particular the Bending Fatigue Life and the Torsional Fatigue Life of Crankshafts		
APPLICANT(S) FOR DO/EO/US Alfons Reeb, Jochen Schmidt, Dr. Alexis Boehmcke		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). Unexecuted</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input checked="" type="checkbox"/> A substitute specification. (a marked-up copy and a clean copy of the specification of the literal translation of WO 2005/090617 as published)</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. Included in unexecuted Declaration of Inventors</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IAP11 Rec'd PCT/PTO 04 AUG 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER																																																																																																																										
10/588566	PCT/EP2005/001190			LO38-001																																																																																																																										
<p>20. Other items or information:</p> <ul style="list-style-type: none"> - PCT Return Receipt Postcard - Check in the amount of \$900.00 																																																																																																																														
<p>The following fees have been submitted</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....</td> <td>\$300</td> <td colspan="2">CALCULATIONS PTO USE ONLY</td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))</td> <td></td> <td>\$</td> <td>200.00</td> </tr> <tr> <td colspan="2">If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$</td> <td>0</td> </tr> <tr> <td colspan="2">All other situations.....</td> <td>\$</td> <td>200</td> </tr> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))</td> <td>\$</td> <td>400.00</td> </tr> <tr> <td colspan="2">If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$</td> <td>0</td> </tr> <tr> <td colspan="2">Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....</td> <td>\$</td> <td>100</td> </tr> <tr> <td colspan="2">International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....</td> <td>\$</td> <td>400</td> </tr> <tr> <td colspan="2">All other situations.....</td> <td>\$</td> <td>500</td> </tr> <tr> <td colspan="2">TOTAL OF 21, 22 and 23 =</td> <td>\$</td> <td>900.00</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td>\$</td> <td></td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td></td> </tr> <tr> <td>*24 - 100 =</td> <td>0 /50 =</td> <td></td> <td>x \$250</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> <td>\$</td> <td></td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td>\$</td> </tr> <tr> <td>Total claims</td> <td>20 - 20 =</td> <td>0</td> <td>x \$ 50</td> <td>\$ 0.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$200</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360</td> <td>\$</td> </tr> <tr> <td colspan="3"></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 900.00</td> </tr> <tr> <td colspan="5"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL = \$</td> </tr> <tr> <td colspan="5">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)). + \$</td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTAL NATIONAL FEE = \$ 900.00</td> </tr> <tr> <td colspan="5">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$</td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTAL FEES ENCLOSED = \$ 900.00</td> </tr> <tr> <td colspan="4">Amount to be refunded:</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4">Amount to be charged</td> <td>\$ 0.00</td> </tr> </table>				21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....	\$300	CALCULATIONS PTO USE ONLY		22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))		\$	200.00	If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....		\$	0	All other situations.....		\$	200	23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))		\$	400.00	If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....		\$	0	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....		\$	100	International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....		\$	400	All other situations.....		\$	500	TOTAL OF 21, 22 and 23 =		\$	900.00	<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). 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a. A check in the amount of \$ 900.00 to cover the above fees is enclosed.

b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.

d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Wells St. John, P.S.
Attn: Brent Kenady
601 W. 1st, Suite 1300
Spokane, WA 99201-3828



SIGNATURE

D. Brent Kenady
NAME

40,045
REGISTRATION NUMBER

10/588566
IAP11 Rec'd PCT/PTC 04 AUG 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION SERIAL NO Filed Herewith
FILING DATE Filed Herewith
INVENTORSHIP Alfons Reeb, et al.
GROUP ART UNIT Not Yet Assigned
EXAMINER Not Yet Assigned
ATTORNEY'S DOCKET NO LO38-001
TITLE: Method and Apparatus for Increasing the Fatigue Life, in Particular the
Bending Fatigue Life and the Torsional Fatigue Life of Crankshafts

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attention: Official Draftsman

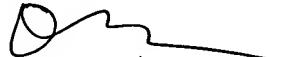
LETTER SUBMITTING FORMAL DRAWINGS

Please enter the enclosed formal drawings in the above-referenced application. Acknowledgment of receipt of the formal drawing sheets and their acceptance into the file is requested.

Respectfully submitted,

Date: 8-3-06

By:



D. Brent Kenady
Reg. No.: 40,045
WELLS ST. JOHN P.S.
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828
(509) 624-4276

Enclosures: Formal Drawing Sheets 1-4 (Figs. 1-6)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. :

U.S. National Serial No. :

Filed :

PCT International Application No. : PCT/EP2005/001190

VERIFICATION OF A TRANSLATION

I, the below named translator, hereby declare that:

My name and post office address are as stated below;

That I am knowledgeable in the German language in which the below identified international application was filed, and that, to the best of my knowledge and belief, the English translation of the international application No. PCT/EP2005/001190 is a true and complete translation of the above identified international application as filed.

I hereby declare that all the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patent application issued thereon.

Date: July 12, 2006

Full name of the translator :

John Barton COATES

For and on behalf of RWS Group Ltd

Post Office Address :

Europa House, Marsham Way,
Gerrards Cross, Buckinghamshire,
England.

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